



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 09/390846

TO: Nita M Minnifield
Location: REM-3C01&3C18
Art Unit: 1645
Wednesday, April 06, 2005

Case Serial Number: 09/390846

From: Deirdre Arnold
Location: Biotech-Chem Library
REM 1A64
Phone: 571-272-2532

Deirdre.Arnold@uspto.gov

Search Notes

RUSH

Please feel free to contact me if you have any questions or would like to amend the search.

Thank you for using STIC services.

Regards,
Deirdre Arnold



149928

From: Chan, Christina
Sent: Tuesday, April 05, 2005 12:19 PM
To: Minnifield, Nita; STIC-Biotech/ChemLib
Subject: RE: interference sequence search

Please rush. Thanks Chris

Chris Chan

TC 1600 New Hire Training Coordinator and SPE 1644
(571)-272-0841
Remsen, 3E89

CRPE

-----Original Message-----

From: Minnifield, Nita
Sent: Tuesday, April 05, 2005 11:51 AM
To: Chan, Christina
Subject: interference sequence search

Christina, please approve, 2 month amdt.

STIC

09/390846

Please do an interference sequence search on SEQ ID NO: 2 of the above application.

Please provide a paper copy of the results.

Thanks,
Minnifield
71976
Art Unit 1645
Office REM-3C01

STAFF USE ONLY

Searcher: Arnold
Searcher Phone: 2-2532
Date Searcher Picked up: 4/15/05
Date Completed: 4/16/05
Searcher Prep/Rev. Time:
Online Time: 30

Type of Search

NA#: _____ AA#: 1
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____

GenCore version 5.1.6
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ON PROTEIN - PROTEIN SEARCH, USING SW MODEL

Run on: April 5, 2005, 21:34:56 ; Search time 43 Seconds

(without alignments) 572.888 Million cell updates/sec

Title: US-09-390-846-2

Perfect score: 1688

Sequence: 1 MAVFENTRPKIAMVGSQMI.....GSIDEVKEMQKAIAALDASK 330

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0*

Maximum Match 100*

Listing first 45 summaries

Database : Issued Patents AA,*

- 1: /cgn2_6/ptodata/1/iaa/5A_COMB.pep:*
- 2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep:*
- 3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
- 4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep:*
- 5: /cgn2_6/ptodata/1/iaa/PCITS_COMB.pep:*
- 6: /cgn2_6/ptodata/1/iaa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1688	100.0	330	3	US-08-676-882-2
2	828	49.1	315	5	PC-US94-03798-2
3	706	41.8	329	1	US-08-838-418-2
4	706	41.8	329	1	US-08-838-418-2
5	694	41.1	289	4	US-09-902-540-13486
6	641	38.0	325	3	US-09-134-01553
7	464	27.5	324	4	US-09-107-522A-6486
8	426	25.2	318	4	US-09-134-000C-4417
9	412	24.4	317	1	US-08-748-088-3
10	412	24.4	333	1	US-08-748-088-1
11	406	24.1	354	4	US-09-949-016-8002
12	405	24.0	351	4	US-09-949-016-11252
13	405	24.0	351	4	US-09-949-016-11253
14	401.5	23.8	322	4	US-09-710-219-1412
15	401.5	23.8	322	4	US-09-710-219-2384
16	401.5	23.8	330	3	US-09-134-01C-328
17	395.5	23.4	307	4	US-09-107-52A-4274
18	391	23.2	333	3	US-09-128-987-2
19	391	23.2	333	3	US-09-128-987-2
20	390	23.1	333	3	US-08-869-506-2
21	390	23.1	333	3	US-09-128-987-3
22	389	23.0	331	4	US-09-711-651-4
23	389	23.0	331	4	US-1-274-266-4
24	388	23.0	331	4	US-09-107-433-4752
25	388	23.0	332	4	US-09-583-110-4591
26	377.5	22.4	327	1	US-08-748-088-2
27	371	22.0	513545	2	seqs, 74649064 residues

28	371	22.0	381	4	US-10-274-266-2	Sequence 2, Appli
29	363	21.5	320	3	US-19-535-381-2	Sequence 1, Appli
30	338	20.0	317	4	US-08-489-039A-9794	Sequence 9794, Ap
31	285.5	16.9	205	4	US-09-949-016-9136	Sequence 9136, Ap
32	277	16.4	339	4	US-19-513-681A-5827	Sequence 5827, Ap
33	273.5	16.2	304	4	US-09-633-238-238	Sequence 238, App
34	246.5	14.6	338	3	US-08-922-957-3	Sequence 3, Appli
35	240	14.2	338	3	US-08-922-957-1	Sequence 1, Appli
36	236.5	14.0	358	4	US-09-242-796A-17253	Sequence 17253, A
37	231.5	13.7	298	3	US-08-922-957-4	Sequence 4, Appli
38	231.5	13.4	262	4	US-09-919-016-9135	Sequence 9135, Ap
39	225.5	13.4	262	4	US-09-941-016-11622	Sequence 11622, A
40	224	13.3	333	4	US-09-248-796A-17254	Sequence 17254, A
41	217	12.9	343	4	US-09-248-796A-17252	Sequence 17252, A
42	212.5	12.6	322	4	US-09-565-50A-112	Sequence 112, App
43	212.5	12.6	322	4	US-09-639-206A-112	Sequence 112, App
44	212.5	12.6	322	4	US-09-874-923-112	Sequence 112, App
45	207.5	12.3	298	4	US-09-489-039A-1336	Sequence 1136, A

ALIGNMENTS

RESULT 1	US-08-676-882-2	;	Sequence 2, Application US/08676882
		;	Patent No. 6100241
		;	GENERAL INFORMATION:
		;	APPLICANT: Kok, Jacobus Johannes van den Boogaart, Paul
		;	APPLICANT: Vermeulen, Arnoldus Nicolaas
		;	TITLE OF INVENTION: Coccidiosis poultry vaccine
		;	NUMBER OF SEQUENCES: 2
		;	CORRESPONDENCE ADDRESS:
		;	ADDRESSEE: AZO No. 6100241el Patent Department
		;	STREET: 1300 Piccard Drive, Suite 206
		;	CITY: Rockville
		;	STATE: Maryland
		;	COUNTRY: USA
		;	ZIP: 20850
		;	COMPUTER READABLE FORM:
		;	MEDIUM TYPE: Floppy disk
		;	COMPUTER: IBM PC compatible
		;	OPERATING SYSTEM: PC-DOS/MS-DOS
		;	SOFTWARE: Patternin Release #1.0, Version #1.30
		;	CURRENT APPLICATION DATA:
		;	APPLICATION NUMBER: US/08/676,882
		;	FILING DATE: 03-JUL-1996
		;	CLASSIFICATION: 514
		;	ATTORNEY/AGENT INFORMATION:
		;	NAME: Gormley, Mary E
		;	REGISTRATION NUMBER: 34,409
		;	TELECOMMUNICATION INFORMATION:
		;	TELEPHONE: (301) 258-5200
		;	TELEFAX: (301) 977-0847
		;	INFORMATION FOR SEQ ID NO: 2:
		;	SEQUENCE CHARACTERISTICS:
		;	LENGTH: 330 amino acids
		;	TYPE: amino acid
		;	TOPOLOGY: linear
		;	MOLECULE TYPE: protein
		;	US-08-676-882-2
Query Match	100.0%	Score 1688; DB 3;	Length 330;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	MAVFENTRPKIAMVGSQMI.....GSIDEVKEMQKAIAALDASK	60
Db	1	MAVFENTRPKIAMVGSQMI.....GSIDEVKEMQKAIAALDASK	60
QY	61	DGTVLTVGNSVYELKGADVWITAGIRKIPGSKEDKESRMDLPVNPKMVGAAKS	120

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OM protein - protein search, using SW model

Run on:

April 5, 2005, 21:36:16 ; Search time 54 seconds

(without alignments)

2026.401 Million cell updates/sec

Title:

US-09-390-846-2

Perfect score:

1688

Sequence:

1 MAVFEKNTTRPKIAVMGSGMT.....GSIDDEVKEMQKAIALDASK 330

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched:

1413372 seqs, 331592847 residues

Total number of hits satisfying chosen parameters:

1413372

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpa/PCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpa/US09_PUBCOMB.pep:*

3: /cgn2_6/ptodata/2/pubpa/US06_NEW_PUB.PEP:*

4: /cgn2_6/ptodata/2/pubpa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubpa/US07_PUBCOMB.pep:*

6: /cgn2_6/ptodata/2/pubpa/US08_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubpa/PCOMB.pep:*

8: /cgn2_6/ptodata/2/pubpa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubpa/US09_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpa/US09_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpa/US09_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubpa/US09_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubpa/US10_PUBCOMB.pep:*

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16: /cgn2_6/ptodata/2/pubpa/US10_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpa/US10_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubpa/US10_PUBCOMB.pep:*

19: /cgn2_6/ptodata/2/pubpa/US11_PUBCOMB.pep:*

20: /cgn2_6/ptodata/2/pubpa/US11_PUBCOMB.pep:*

RESULT 1
 US-10-369-493-17838 ; Sequence 17838, Application US10369493
 Publication No. US20030233675A1 ; GENERAL INFORMATION:
 ; APPLICANT: Cao, Longwei
 ; APPLICANT: Hinkle, Gregory J.
 ; APPLICANT: Slater, Steven C.
 ; APPLICANT: Goldman, Barry S.
 ; APPLICANT: Chen, Xianteng
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
 ; FILE REFERENCE: 38-10-(5205)B
 ; CURRENT APPLICATION NUMBER: PLANTS WITH IMPROVED PROPERTIES
 ; PRIOR APPLICATION NUMBER: US10/369, 493
 ; CURRENT FILING DATE: 2003-02-28
 ; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
 ; NUMBER OF SEQ ID NOS: 47374
 ; SEQ ID NO: 17838
 ; LENGTH: 320
 ; TYPE: PRT
 ; ORGANISM: SPHINXOMONAS
 ; US-10-369-493-17838
 ; Query Match 52.21; Score 880.5; DB 15; Length 320;
 ; Best Local Similarity 53.9%; Pred. No. 1.5e-19;
 ; Matches 173; Conservative 54; Mismatches 89; Indels 5; Gaps 1;
 ; Sequence 1141, A
 ; Sequence 1489, A
 ; Sequence 14874, A
 ; Sequence 20748, A
 ; Sequence 12060, A
 ; Sequence 12050, A
 ; Sequence 17079, A
 ; Sequence 8013, A
 ; Sequence 10523, A
 ; Sequence 23237, A
 ; Sequence 17395, A
 ; Sequence 16538, A
 ; Sequence 19127, A
 ; Qy 9 RPKIAMVSGHMGITGMAFLPCLSRLREGDVLFEDVVPNPMGKAMDTSHNSSTVDTGTVRG 68
 ; Db 3 RKKIALLIGSGWIGGTLLAIKELGDIYVFDIAGTPQKGALDIAQSPGVFEDANLKG 62
 ; Qy 69 SNSYCLKGKADGWITAGTICKPGSKDSKEMSRMLLPVNIKIMREVGAALKSYCPNAFWI 128
 ; Db 63 ANSYEDIAGADVCTVTAGPRKPG----MSRDLKLTKLNGVMKAVGGSGIAAHAPDAFWI 117

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	880.5	52.2	320	15 US-10-369-493-17838 ; Sequence 1141, A
2	873.5	51.7	319	15 US-10-369-493-1141 ; Sequence 1489, A
3	873.5	51.7	320	15 US-10-359-493-14489 ; Sequence 14874, A
4	862.5	51.1	311	15 US-10-369-493-14874 ; Sequence 20748, A
5	862.5	51.1	315	15 US-10-369-493-20748 ; Sequence 12060, A
6	850.5	50.4	320	15 US-10-369-493-12060 ; Sequence 12050, A
7	848.5	50.3	320	15 US-10-369-493-17079 ; Sequence 17079, A
8	847.5	50.2	320	15 US-10-369-493-8013 ; Sequence 8013, A
9	740	43.8	312	15 US-10-369-493-10523 ; Sequence 10523, A
10	709	42.0	314	15 US-10-369-493-23237 ; Sequence 23237, A
11	697	41.3	312	15 US-10-369-493-17395 ; Sequence 17395, A
12	689	40.8	285	15 US-10-369-493-16518 ; Sequence 16538, A
13	689	40.8	285	15 US-10-369-493-19127 ; Sequence 19127, A